

BRAIN RESEARCH MOLECULAR BRAIN RESEARCH

VOL. 53 NOS. 1,2

CONTENTS

JANUARY 1998

Cited in Biological Abstracts (BIOSIS) – Chem. Abstracts – Index Medicus (MEDLINE) – Current Contents (Life Sci.) – Excerpta Medica (EMBASE) – Psychological Abstracts (PsycINFO) – Pascal et Francis (INIST-CNRS) – RIS (Reference Update) – Current Awareness in Biological Science (CABS)

Publisher's Announcement v

Guidelines for the submission of manuscripts vii

Research reports

- Precise distribution of neuronal nitric oxide synthase mRNA in the rat brain revealed by non-radioisotopic in situ hybridization
K. Iwase, K.-i. Iyama, K. Akagi, S. Yano, K. Fukunaga, E. Miyamoto, M. Mori and M. Takiguchi (Japan) 1
- Differentially expressed olfactomedin-related glycoproteins (Pancortins) in the brain
T. Nagano, A. Nakamura, Y. Mori, M. Maeda, T. Takami, S. Shiosaka, H. Takagi and M. Sato (Japan) 13
- Secreted form of β -amyloid precursor protein activates protein kinase C and phospholipase C γ 1 in cultured embryonic rat neocortical cells
M. Ishiguro, I. Ohsawa, C. Takamura, T. Morimoto and S. Kohsaka (Japan) 24
- Cloning of a gene, YT521, for a novel RNA splicing-related protein induced by hypoxia/reoxygenation
Y. Imai, N. Matsuo, S. Ogawa, M. Tohyama and T. Takagi (Japan) 33
- MPTP-Parkinsonism is accompanied by persistent expression of a Δ -FosB-like protein in dopaminergic pathways
I. Pérez-Otaño, A. Mandelzys and J.I. Morgan (USA) 41
- Up-regulation of fast-axonally transported proteins in retinal ganglion cells of adult rats with optic-peroneal nerve grafts
B.C. Wouters, S. Bock-Samson, K. Little and J.J. Norden (USA) 53
- D₁-receptor-related priming is attenuated by antisense-mediated 'knockdown' of *fosB* expression
S.J. Crocker, M. Morelli, N. Wigle, Y. Nakabeppu and G.S. Robertson (Canada, Italy, Japan) 69
- Identification of the subunits of the nicotinic cholinergic receptors in the rat cochlea using RT-PCR and in situ hybridization
B.J. Morley, H.-S. Li, H. Hiel, D.G. Drescher and A.B. Elgoyhen (USA, Argentina) 78
- Group III human metabotropic glutamate receptors 4, 7 and 8: Molecular cloning, functional expression, and comparison of pharmacological properties in RGT cells
S. Wu, R.A. Wright, P.K. Rockey, S.G. Burgett, J.S. Arnold, P.R. Rostek Jr., B.G. Johnson, D.D. Schoepp and R.M. Belagaje (USA) 88
- A serotonin-4 receptor-like pseudogene in humans
I.S.C. Liu, I. Kusumi, C. Ulpian, T. Talerico and P. Seeman (Canada, Japan) 98
- Increased calreticulin stability in differentiated NG-108-15 cells correlates with resistance to apoptosis induced by antisense treatment
R.J. Johnson, N. Liu, J. Shanmugaratnam and R.E. Fine (USA) 104
- Elevation of D₄ dopamine receptor mRNA in postmortem schizophrenic brain
N.C. Stefanis, J.N. Bresnick, R.W. Kerwin, W.N. Schofield and G. McAllister (UK) 112
- Regulation of serotonin re-uptake transporter mRNA expression by ovarian steroids in rhesus macaques
M. Pecins-Thompson, N.A. Brown and C.L. Bethea (USA) 120
- NGF, cyclic AMP, and phorbol esters regulate oxytocin receptor gene transcription in SK-N-SH and MCF7 cells
T.L. Bale and D.M. Dorsa (USA) 130
- Differential regulation by MK801 of immediate-early genes, brain-derived neurotrophic factor and trk receptor mRNA induced by a kindling after-discharge
P.E. Hughes, D. Young, K.M. Preston, Q. Yan and M. Dragunow (New Zealand, USA) 138
- Molecular cloning of the cDNA coding sequence of IL-2 receptor- γ (γ_c) from human and murine forebrain: Expression in the hippocampus in situ and by brain cells in vitro
J.M. Petitto, Z. Huang, M.K. Raizada, C.M. Rinker and D.B. McCarthy (USA) 152
- CB₁ cannabinoid receptor: cellular regulation and distribution in N18TG2 neuroblastoma cells
H.H. McIntosh, C. Song and A.C. Howlett (USA) 163
- Altered gene expression for calpain/calpastatin system in motor neuron degeneration (*Mnd*) mutant mouse brain and spinal cord
J. Li, R. Nixon, A. Messer, S. Berman and S. Bursztajn (USA) 174
- Angiotensin II and NGF differentially influence microtubule proteins in PC12W cells: role of the AT₂ receptor
U. Stroth, S. Meffert, S. Gallinat and T. Unger (Germany) 187
- Glutathione depletion exacerbates impairment by oxidative stress of phosphoinositide hydrolysis, AP-1, and NF- κ B activation by cholinergic stimulation
X. Li, L. Song and R.S. Jope (USA) 196
- Bone morphogenetic protein-2 and retinoic acid induce neurotrophin-3 responsiveness in developing rat sympathetic neurons
M. Kobayashi, M. Fujii, K. Kurihara and I. Matsuoka (Japan) 206

(contents continued on p. 352)



0169-328X(199801)53:1/2;1-C

(contents continued)

| | |
|--|-----|
| Differential induction of nerve growth factor and basic fibroblast growth factor mRNA in neonatal and aged rat brain A.M. Colangelo, P. Follesa and I. Mocchetti (USA, Italy) | 218 |
| Differential regulation of gonadotropin-releasing hormone (GnRH) receptor expression in the posterior mediobasal hypothalamus by steroid hormones: implication of GnRH neuronal activity J.Y. Seong, S.S. Kang, K. Kam, Y.-G. Han, H.B. Kwon, K. Ryu and K. Kim (South Korea) | 226 |
| Actin disassembles reversibly during electrically induced recycling of synaptic vesicles in cultured neurons B.W. Bernstein, M. DeWit and J.R. Bamburg (USA) | 236 |
| Abundance of platelet-derived growth factors (PDGFs), PDGF receptors and activation of mitogen-activated protein kinases in brain decline with age Y. Hu, G. Schett, Y. Zou, H. Dietrich and Q. Xu (Austria) | 251 |
| Transcription factor regulation of prodynorphin gene expression following rat hindpaw inflammation D.J. Messersmith, D.J. Kim and M.J. Iadarola (USA) | 259 |
| AMPA-selective glutamate receptor subunits in glial cells of the adult bovine white matter J.M. García-Barcina and C. Matute (Spain) | 270 |
| Variation in the expression of the mRNA for protein kinase C isoforms in the rat suprachiasmatic nuclei, caudate putamen and cerebral cortex F.R.A. Cagampang, M. Rattray, I.C. Campbell, J.F. Powell and C.W. Coen (UK) | 277 |
| Environmental enrichment selectively increases 5-HT1A receptor mRNA expression and binding in the rat hippocampus S. Rasmuson, T. Olsson, B.G. Henriksson, P.A.T. Kelly, M.C. Holmes, J.R. Seckl and A.H. Mohammed (Sweden, UK) | 285 |

Short communications

| | |
|--|-----|
| Alternative expression of Shc family members in nerve-injured motoneurons K. Tanabe, S. Kiryu-Seo, T. Nakamura, N. Mori, H. Tsujino, T. Ochi and H. Kiyama (Japan) | 291 |
| Expression of hexokinase mRNA in human hippocampus M. Cimino, W. Balduini, P. Marini, F. Cattabeni, J.A. Court, M. Bianchi and M. Magnani (Italy, UK) | 297 |
| Inhibition of lysophosphatidic acid-induced neurite retraction and cell rounding by SR 57746A M. Magazin, P. Schiltz, J.-L. Zachary, E. Cavois, D. Caput and P. Ferrara (France) | 301 |
| New evidence for presence of tyrosinase in substantia nigra, forebrain and midbrain K. Tief, A. Schmidt and F. Beermann (Switzerland) | 307 |
| Distribution of a novel hypothalamic neuropeptide Y receptor gene and its absence in rat A.M. Burkhoff, D.L. Linemeyer and J.A. Salon (USA) | 311 |
| Expression of long-patch and short-patch DNA mismatch repair proteins in the embryonic and adult mammalian brain C. Marietta, F. Palombo, P. Gallinari, J. Jiricny and P.J. Brooks (USA, Italy, Switzerland) | 317 |
| Distribution of mRNA encoding Tat-binding protein-1 (TBP-1), a component of 26S proteasome, in the rat brain T. Nakamura, T. Tanaka, T. Nagano, T. Yoneda, H. Takagi and M. Sato (Japan) | 321 |
| Regional distribution of glutamate receptor mRNA in the monkey hippocampus and temporal cortex: influence of estradiol S.G. Kohama, V.T. Garyfallou and H.F. Urbanski (USA) | 328 |
| Overexpression of human glutathione peroxidase protects transgenic mice against focal cerebral ischemia/reperfusion damage M. Weisbrot-Lefkowitz, K. Reuhl, B. Perry, P.H. Chan, M. Inouye and O. Mirochnitchenko (USA) | 333 |
| A human serotonin-7 receptor pseudogene I.H.-P. Qian, I. Kusumi, C. Ulpian, T. Talerico, D. Nam, I.S.C. Liu, M.V. Seeman and P. Seeman (Canada, Japan) | 339 |
| Subtracted differential display: Genes with amphetamine-altered expression patterns include calcineurin X.B. Wang and G.R. Uhl (USA) | 344 |

Corrigendum

| | |
|---|-----|
| Cloning, pharmacological characterization and distribution of a novel galanin receptor. [This article was published in Mol. Brain Res. 51/1,2 (1997) 49-59] Z. Fathi, A.M. Cunningham, L.G. Iben, P.B. Battaglini, S.A. Ward, K.A. Nichol, K.A. Pine, J. Wang, M.E. Goldstein, T.P. Iismaa and I.A. Zimanyi (USA, Australia) | 348 |
|---|-----|

Author Index

349

